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50 LeuGIuGIyProGIuLySaLaseTrPrThrSerGIuArGIProGIuInPheTr 66
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66 pSerLySThngInValLeuGIuTrPrLleSerTyRGIuValGIuLysAsnL 83
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315 GTCGAAGACGACAGTTCTGAGCTGATCAGCTACAGTGAAGTGAAGAAACA 364
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100 ThrLeuCySerCysAlaLeuGIuGIuLeuArGIyLeuValPheGIyProLe 116
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116 uGIyAspGIuInLeuHISaLagInLeuArGIyAspLeuThrSerAsnSerSera 133
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200 ArgThrAlaThrProGIuInSerSerHISaLaseAspSerGIyLysSera 216
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; Sequence 2, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Ays Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5427 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-2

alignment_scores:
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Percent Similarity: 56.283 Percent Identity: 36.911

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134 TTAGGTA.....AATGAGATCATGATTCTGAAAGAGGTGTGTAA 174
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53 .....ProGIuLySaLaseTrPrThr 59
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325 TCCAGGACCTCTCGACACCAACCACTGGATGCAATGTATCTCCCTTC 374  
92 SerArgCysAsnMetAspGlyAlaThrLeuCysSerCysAlaLeuGlu 108  
375 CAAGAATTCGACATCAACGGCGAGCACTCTGACGATGAGTTGGCAGA 424  
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475 AGCATCTGAAGTGAACGGCCAGTGCAGTAGTAC..... 509  
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334 ArgTrpTrpTrpLysArgGluIleLeuGluArgValAspGlyArgLys 350  
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seq\_name: /cgn2\_6/plodata/2/lna/6A\_COMB.seq:US-09-009-913-3

seq\_documentation\_block:

Sequence 3, Application US/09009913  
Patent No. 6087485

GENERAL INFORMATION:

APPLICANT: AXYS Pharmaceuticals, Inc.  
TITLE OF INVENTION: Asthma Related Genes

NUMBER OF SEQUENCES: 339

CORRESPONDENCE ADDRESS:

ADDRESSEE: Bozicevic & Reed, LLP  
STREET: 285 Hamilton Ave, Suite 200  
CITY: Palo Alto

STATE: CA  
COUNTRY: USA

ZIP: 94301

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/009,913

FILING DATE: 21-JAN-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Sherwood, Pamela J

REGISTRATION NUMBER: 36,677

REFERENCE/DOCKET NUMBER: SEQ-4P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-327-3231

TELEFAX: 650-327-3231

TELEX:

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 5510 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: CDNA

US-09-009-913-3

alignment\_scores:

Quality: 580.00

Ratio: 3.005

Percent Similarity: 61.076

Percent Identity: 40.823

alignment\_block:

US-08-978-217-16 x US-09-009-913-3

Align seg 1/1 to: US-09-009-913-3 from: 1 to: 5510

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; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2428 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-6
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 Percent Similarity: 53.722      Percent Identity: 30.744

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seq_documentation_block:
; Sequence 10, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2498 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-10

alignment_scores:
Quality: 435.50 Length: 309
Ratio: 2.623 Gaps: 6
Percent Similarity: 53.722 Percent Identity: 30.744

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258 TrpAspCysLeuGluGluLysLysSerLysHisAlaProArgLysThrN 274
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929 GACGTATGAAAGTTGAGCAGAGCCCTGAGATCTACTATAAAAACAGGAA 978
341 leuGluArgValAspGlyArgArgLeuValTyrLysPheGlyLysAsn 357
979 TTTTGGAGCGGTTGAC...CGAAGGTTAGTGTACAAATTGGAAAAAAT 1025
358 SerSerGlyTrrPlysgLugluGluVal 366
1026 GCACACGGGTGGCAGGAAGACAAGCTA 1052

seq_name: /cgn2.6/ptodata/2/lna/5A_COMB.seq:US-08-368-281-1
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seq_documentation_block:
; Sequence 1, Application US/08368281
; Patent No. 5721113
; GENERAL INFORMATION:
; APPLICANT: Libermann, Towia A
; APPLICANT: Oetting, Joerg P
; APPLICANT: Kunsch, Charles A
; TITLE OF INVENTION: NERF Genes
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/368,281
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Baumeister, Kirk
; REGISTRATION NUMBER: 33,833
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5096
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2975 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-368-281-1

alignment_scores:
Quality: 238.50 Length: 160
Ratio: 2.434 Gaps: 2
Percent Similarity: 61.250 Percent Identity: 33.750

alignment_block:
US-08-978-217-16 x US-08-368-281-1 ..
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344 GAGGTGTCAGCTGAGAGCTGGAACCCATGATCCTCTCTATTCAC 393
211 pSerGlyGlySerAspValAspLeuThrGlnSerLysValPhep 228
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394 ATCACCGATGATGACATGACCAATGAAAGAAAAGTTGGCGGTAA 443
228 roAtgAspAspPheThrAspTyrLysGlyGluProLysGlyLys 244
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444 CAAGACCCAGCAATTCATTCATTCATTCATTCATTCATTCATTA 493
245 ArgLysArgGlyArgProArgLysLeuSerLysGluTyrTrpAspCys 261
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494 AAGAGAAACCAAGA..... 508
261 uGluGlyLysSerLysHisAlaProArgGlyThrHisLeuTrpGlu 278
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509 .GAGGAAAGAAACACA.....ACCTATTGTGGAGT 542
278 heLeuArgAspIleLeuIleHisProGluLeuAsnGluGlyLeuMet 294
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543 TTCCTTAGATCTACTTCAGATAAAATACTGTCCAGGTATATTAA 592
295 TrpGluAsnArgHisGluGlyValPheLysPheLeuArgSerGluAla 311
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311 lAlaGlnLeuTrpGlyGlnLysLysLysAsnSerAsnMetThrTyrGlu 328
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693 CCATGGAGAGCTTTGAGATCTACTACCAAGGGAATTCCTGCAAG 742
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seq_name: /cgn2.6/ptodata/2/lna/5A_comb.seq:US-08-368-281-3

seq_documentation_block:
; Sequence 3, Application US/08368281
; Patent No. 5721113
; GENERAL INFORMATION:
; APPLICANT: Libermann, Towia A
; APPLICANT: Oetting, Joerg P
; APPLICANT: Kunsch, Charles A
; TITLE OF INVENTION: NERF Genes
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/368,281
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Baumeister, Kirk
; REGISTRATION NUMBER: 33,833
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5090
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-368-281-3

alignment_scores:
Quality: 238.50 Length: 160
Ratio: 2.434 Gaps: 2
Percent Similarity: 61.250 Percent Identity: 33.750

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211 psergylglyseraspyalaspheuaspleuthrghlserlysalp 228
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659 ATACCGAGATGCCATGACCAATGAAAAAAGTTGCCGTAAAC 708
228 roargaspapheptheraspyrlyslsglysluprplyshlsgly 244
    |||
709 CAAAGACCCAGCAATCACCAATTTCCAAATGGTCTCGATGATATA 758
245 arglysarglyarproarglylseulserlyslutyrtrpascysle 261
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759 AAGAGAAACCAAGA..... 773
261 uglglylyslserlyshlalaProarglyThrlshleuprplup 278
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774 .GAAGAAAAAGAAACACA.....ACCTATTGTGGAGCT 807
278 heileargaplileuileihisProgluleuasnglylyleumetlys 294
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808 TTCTTTAGATCTACTTCAGATMAAATACTGTGCCAGTATATATAA 857
295 trygluasnarhlsglylyalpheylpheleuarargsergluala 311
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858 TGGACTCAGAGAGAAAAAGCATATTCACCTGGTGAATCAAGGCTGT 907
311 lalagluleutrglyllysllysasnsersasmetthrtgylul 328
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908 CTCTAACCTTTGGGAAAGCATTAAGAACCAACGACATGACATATAA 957
328 ylseusaralalmetarglytrtyrlyrsargluileleuulgvar 344
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seq_name: /cgn2_6/ptodata/2/lna/5A.COMB.seq:US-08-306-691B-43

seq.documentation_block:
; Sequence 43. Application US/08306691B
; Patent No. 5734039
; GENERAL INFORMATION:
; APPLICANT: Calabretta, Bruno
; APPLICANT: Skorski, Tomasz
; TITLE OF INVENTION: ANTISENSE
; TITLE OF INVENTION: OLIGONUCLEOTIDES TARGETING COOPERATING ONCOGENES
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Conda, Lavoragna & Monaco, P.C.
; STREET: Two Penn Center, Suite 1800
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,691B
; FILING DATE: September 15, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-8
; TELECOMMUNICATION INFORMATION:

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; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: No. 5734039e
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1604 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-306-691B-43

alignment_scores:
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    Ratio: 1.059         Gaps: 25
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384 .....CTATTACTCCAAGCAGCAAAAGAAATGATGTCTC 417
51 lglYProglulys.....AlasertrpThrserylvarg..... 62
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418 AAGCATTAAGATGACTTTCAGTGTCTTACTTAAGAACAGACGACTG 467
63 .....ProglInpHetrpserlyshrlvalleuultr 74
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468 GGGATCCCAAAAGACCCCGCAGTGGAGCAAGAACCCATGTCGGACTG 517
74 pIleSerTyrGlnValGluysAsnlyTYrAspAlaSerSerlleasp 91
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518 GGTGATGTGGCTGTG.....ATGAATTCAGCCTGAAGGTGTACT 561
91 heSerArgCysAsnmetaspGlyAlaThrleucysSer..... 103
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562 TCCAGAGTTCTGTATGATGATGACAGACCCCTGCGCCGTGGAAGAC 611
104 CysAlaLeuGluGluLeuArgleuValPheGlyProleuGlyaspGlnle 120
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137 rp..IleIleGluLeuGluGluysAspGlymetSerPheGlnGluSer 152
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655 GGGAAATCTAGAGATCTGCAGAAAG..... 683
153 leuGlyaspLeuGlyProPheaspGlnGlySerProPheAlaGlnGlu 169
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684 .....GATGGAACCATATCAAGTTAATGA.....GTCAACCCAGC 721
169 uLeuAspAspGlyArGlnAlaSerProTYrTYrCysSerThrTYrGly 185
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722 CTATCCAGAAATCCCGCTATACCTCGGATTACTTCAATTAAG...TATGTA 768
186 ProGlyAlaProser..... 190
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769 TTGAGCATGCCAGTGTGTCCACCATCGAGAGTTCAGAGCCAGCTTC 818
191 .....ProGly.....SerSerA 195
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819 ATCAGAGATCTATATCAGACGCTTCATCCATCATGCTCGAAGAGCTCT 868

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1515 AAGCCCAAGATGACTACGAGAAGCTGAGCCGGGCTTAAGCTACTATTGA 1564

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seq_name: /cgn2_6/plodata/2/lna/6B_COMB.seq:US-09-360-779-1

seq_documentation_block:
Sequence 1, Application`US/09360779
Patent No. 6268216
GENERAL INFORMATION:
APPLICANT: Deneris, Evan S.
APPLICANT: Fyodorov, Dmitry V.
APPLICANT: Hendricks, Timothy J.
TITLE OF INVENTION: Reagents and Methods for the Screening of Compounds
TITLE OF INVENTION: Useful In the Treatment of Neurological Diseases
FILE REFERENCE: CASE-03828
CURRENT APPLICATION NUMBER: US/09/360.779
CURRENT FILING DATE: 1999-07-26
EARLIER APPLICATION NUMBER: 60/094.264
EARLIER FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 1752
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: CDS
LOCATION: (112)..(131)
US-09-360-779-1

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127 uThrSerAsnSerSerAspGIuLeuSer.....TrpIleIleGIuLeu 142
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183 CACAGCTCACCTCCTCCAGTACACCGCGGACCGGGATGGGCT..... 2222
|||||.....:|||||.....:|

142 euGIuIyAspGIyMeSerPheGInGIuSerLeuGIyAspLeuGIyPro 158
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223 .....GGATGTAGAGCTCCAGGACCCCTC..... 246
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159 PheAspGIInGIySerProPheAlaGInGIuLeuLeuAspAspGIyArg 175
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247 .....CCTCCTCACACACACCTGGCTGCCGCTCCGGCA 281
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175 nAlaSerPro.....TyrTyrCysSerThrTyrGIyP 186
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213 yGlySerAspValAspLeuAspLeuThrGluSerLysValPheProArgA 230
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432 CGGACCTCCACGCGCTGATCAACATCTACTACCATCCCGTGC 481
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508 .....AGCCCGAGCTGG.....GG 521
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263 yLysLysSerLysHisAlaProArgGlyThr.....HisLeuTrpG 277
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522 GCCGCTAGCCCTCGCGTACAGAAAGCAGCGGCGCATCCAGTTGTGCG 571
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277 IuPheIleArgAspIleLeuIleHisProGluLeuAsnGluGlyLeuMet 293
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572 AGTTTCTACTGAGCTGTGTGCA...GACCGCGGAAGCGCGCTGCATC 618
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294 LysTrpGluAsnArgHisGluGlyValPheLysPheLeuArgSerGluAl 310
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666 GGTGGCGGAGCGTGGGGCGAGCGCAAGCAAGCAATGAACTAGC 715
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